

Photometric Report

MAC Aura Raven XIP – Medium with Soft Lens

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

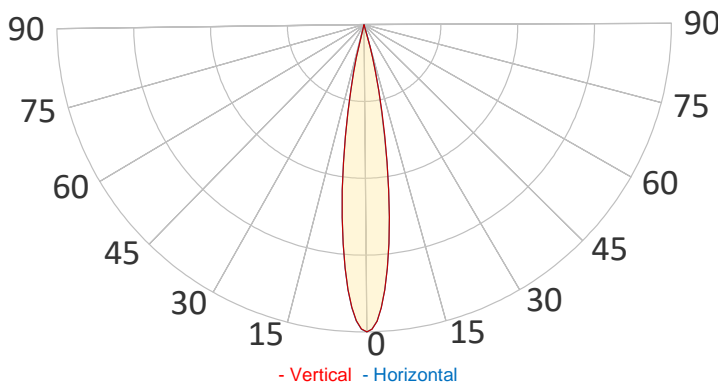
GENERAL SPECIFICATIONS

Total Fixture Output:	25000 lm
Light Engine Output:	39000 lm
Efficacy:	24.5 lm/W
Lens Option:	Soft Lens
Beam Angle (50%):	7,0 - 34,2°
Field Angle (10%):	12,2 - 51,8°
Cut-off Angle (3%):	14,8 - 62,7°
CRI:	82 (+/- 3)
CQS:	89 (+/- 3)
TM-30 Rf:	84 (+/- 3)
TM-30 Rg:	110 (+/- 3)
TLCI:	84 (+/- 3)
Color Temperature:	6500 K



SAMPLE MEASUREMENT

POLAR PLOT

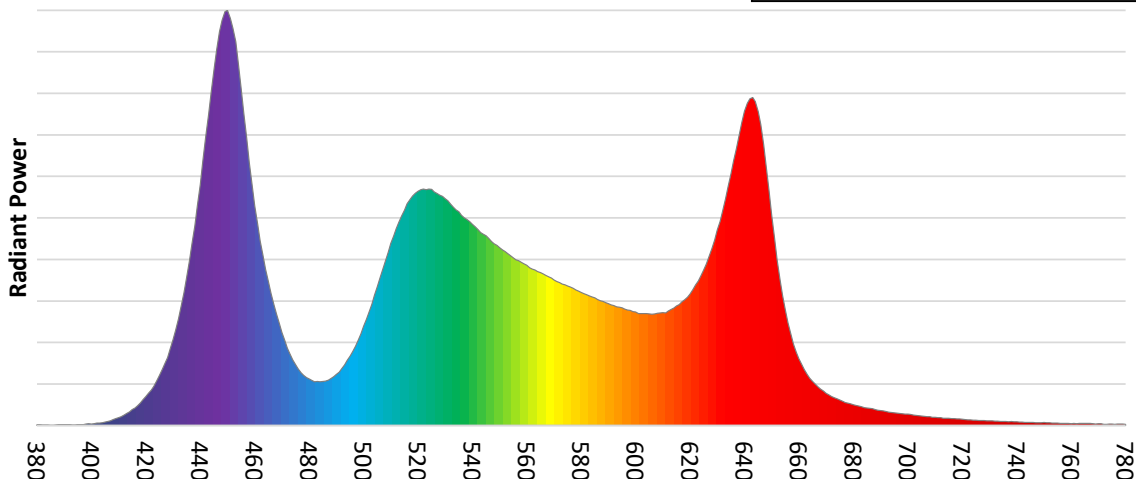


Catalog Number:	MAR-90250405HU
Measured Output:	22613 lm
Measured Peak:	269300 cd
Consumed Power:	1020 W
Efficacy:	22.2 lm/W

Beam Angle (50%):	17°
Field Angle (10%):	28,5°
Cut-off Angle (3%):	30,1°

Measurement Condition:	
Ambient Temperature:	25° +/- 5° C
AC Supply:	230V/50Hz
Fan Mode:	Regulated Fan
Fixture Warm-up Time:	30 minutes

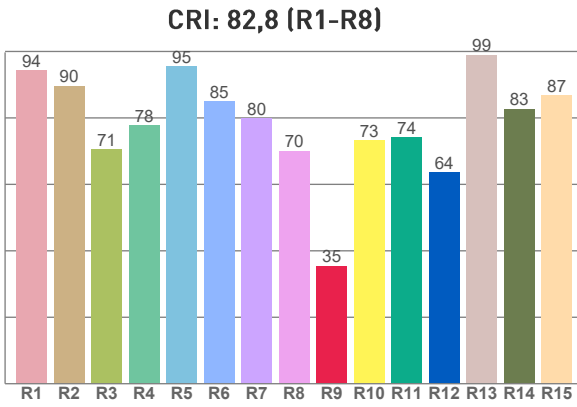
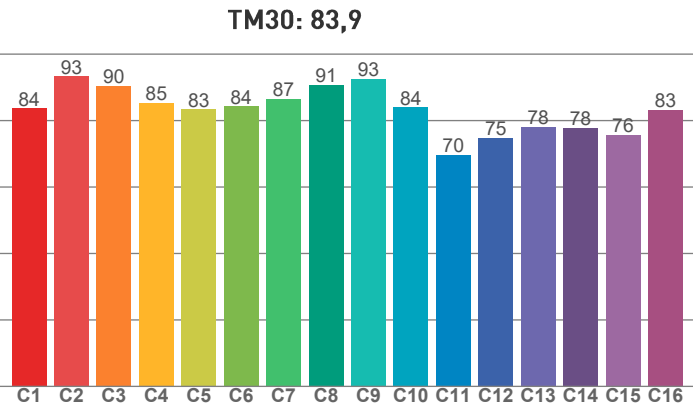
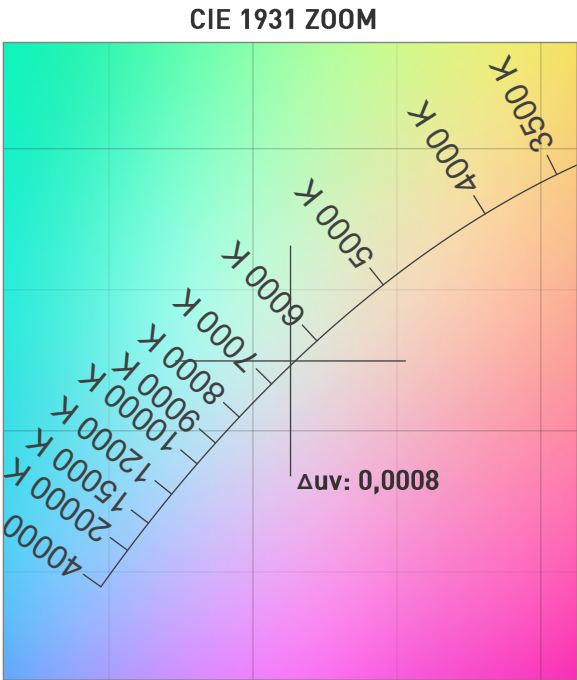
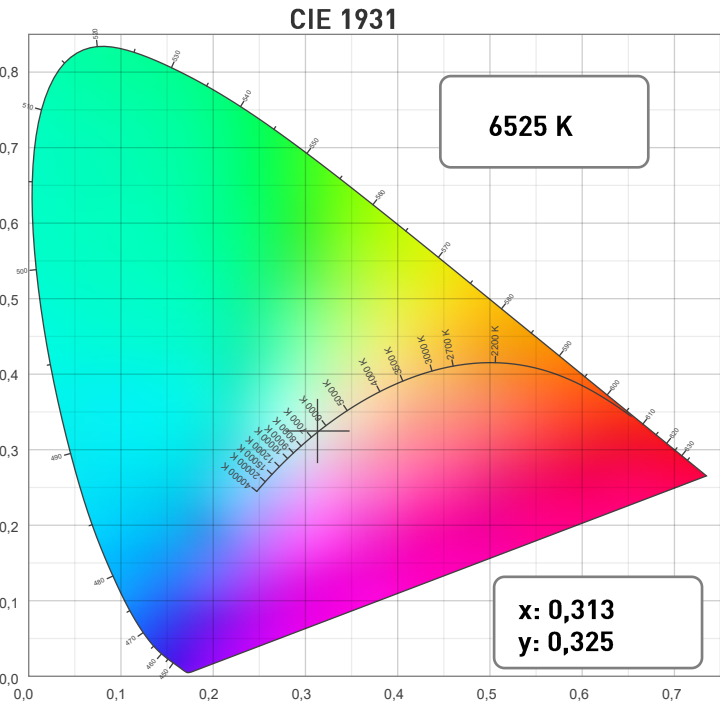
SPECTRAL DISTRIBUTION



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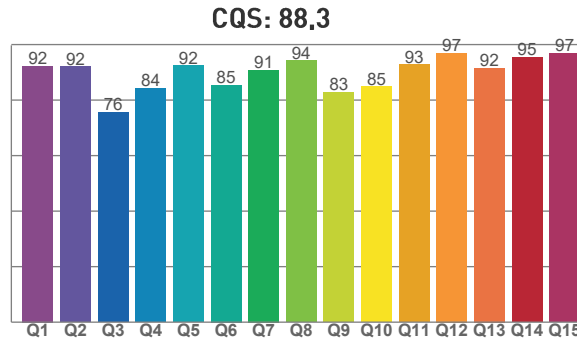
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CHROMATICITY



COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
6525 K	82,8	35,5	83,9	109,8



Television Lighting Consistency Index	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964	Color Deviation from Black Body
TLCI	CQS	x	y	u	v	Δuv
84 (+/- 3)	88,3	0,313	0,325	0,200	0,311	0,0008

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TM30

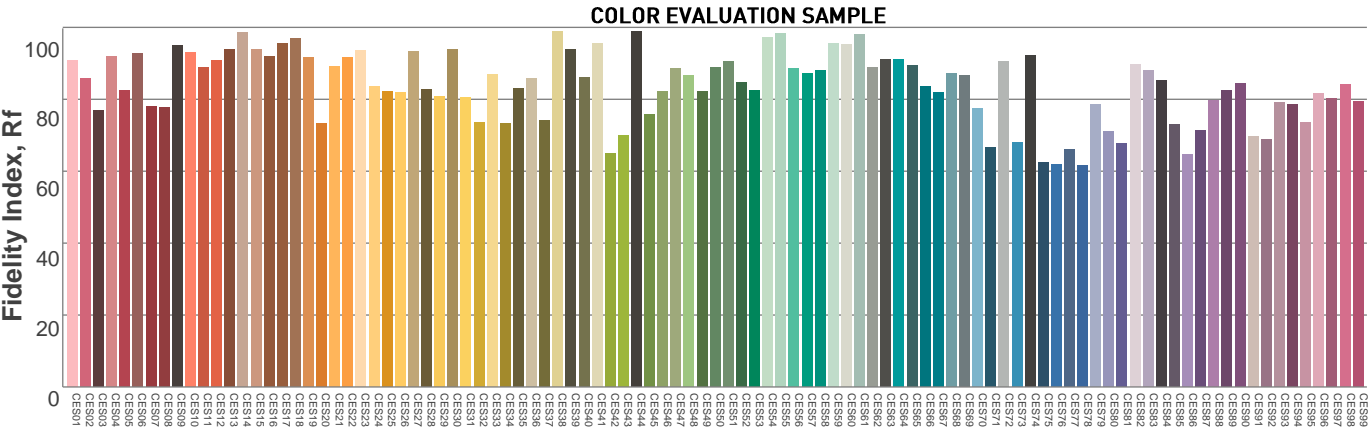
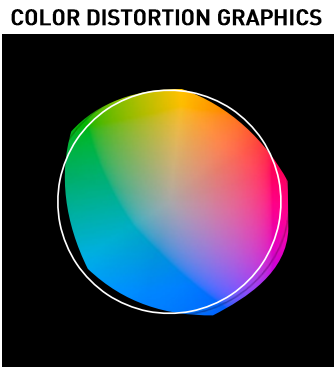
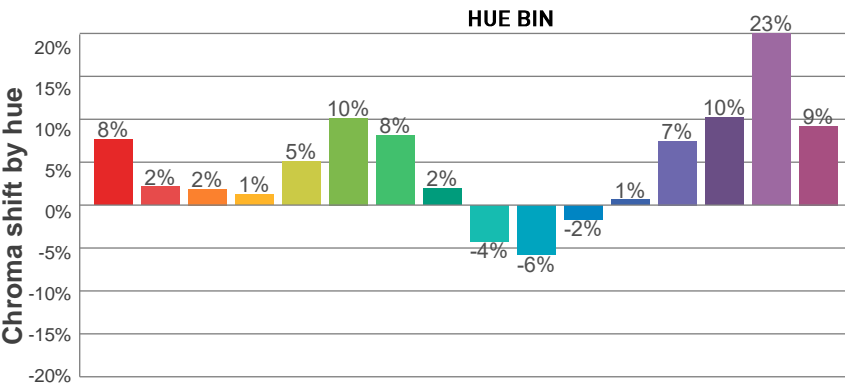
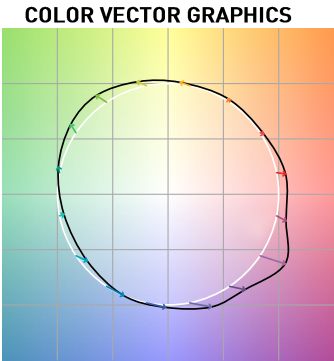
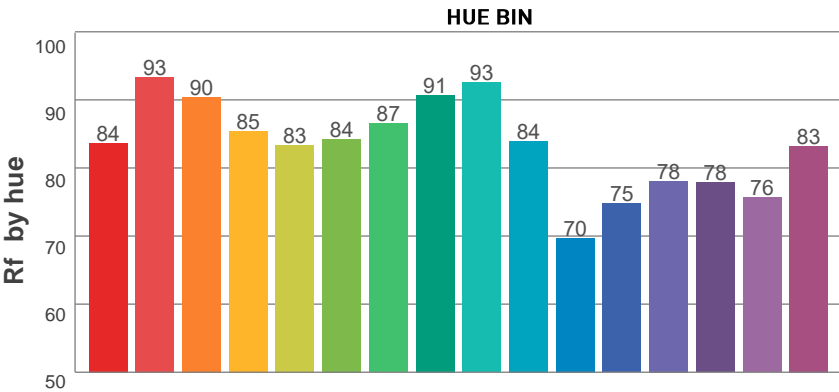
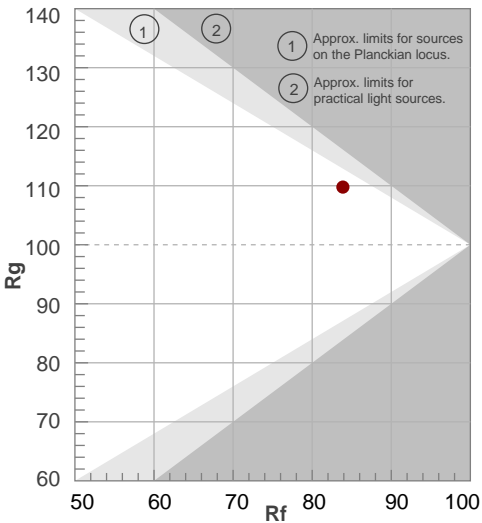
Rf 83,9

Fidelity index Rf

Rg 109,8

Gamut index Rg

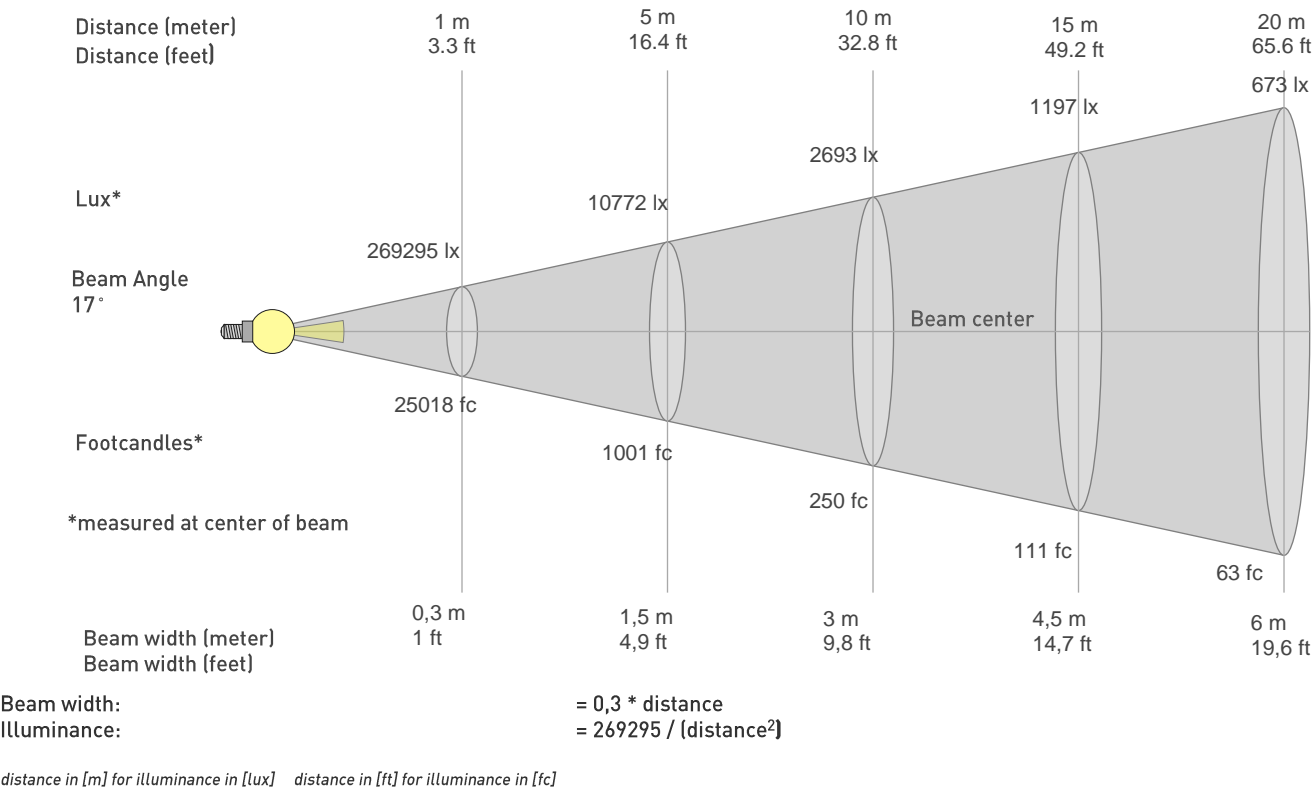
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	84	8%	-3%
2	93	2%	-3%
3	90	2%	3%
4	85	1%	9%
5	83	5%	7%
6	84	10%	4%
7	87	8%	-3%
8	91	2%	-5%
9	93	-4%	-1%
10	84	-6%	9%
11	70	-2%	17%
12	75	1%	18%
13	78	7%	18%
14	78	10%	10%
15	76	23%	7%
16	83	9%	-3%



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BEAM DETAILS



BEAM ILLUMINANCE FROM 1-20M

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
269295lx	67324lx	29922lx	16831lx	10772lx	7480lx	5496lx	4208lx	3325lx	2693lx	2226lx	1870lx	1593lx	1374lx	1197lx	1052lx	932lx	831lx	746lx	673lx
25018,3fc	6254,6fc	2779,8fc	1563,6fc	1000,7fc	695fc	510,6fc	390,9fc	308,9fc	250,2fc	206,8fc	173,7fc	148fc	127,6fc	111,2fc	97,7fc	86,6fc	77,2fc	69,3fc	62,5fc

